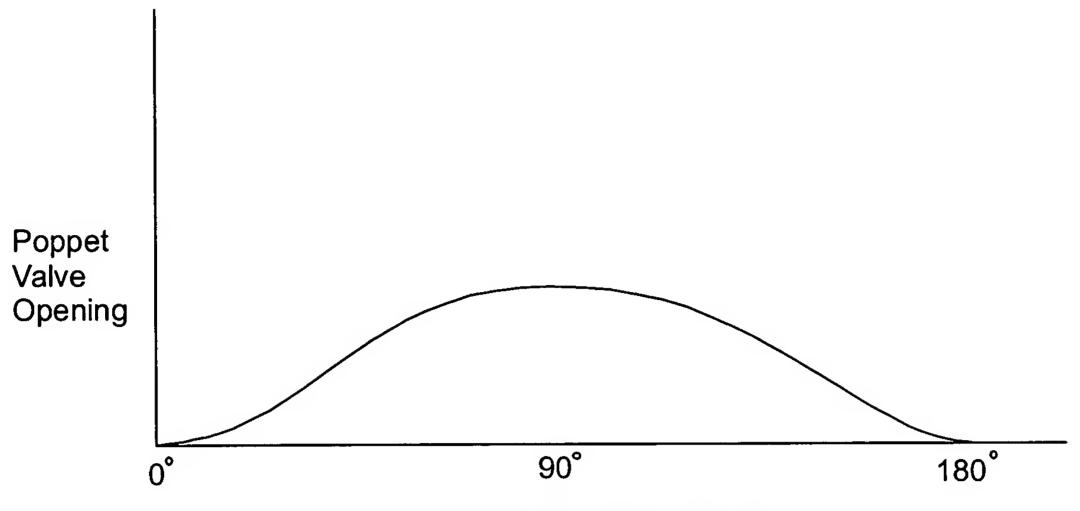
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Downward Piston Stroke

Fig. 1 **Prior Art**

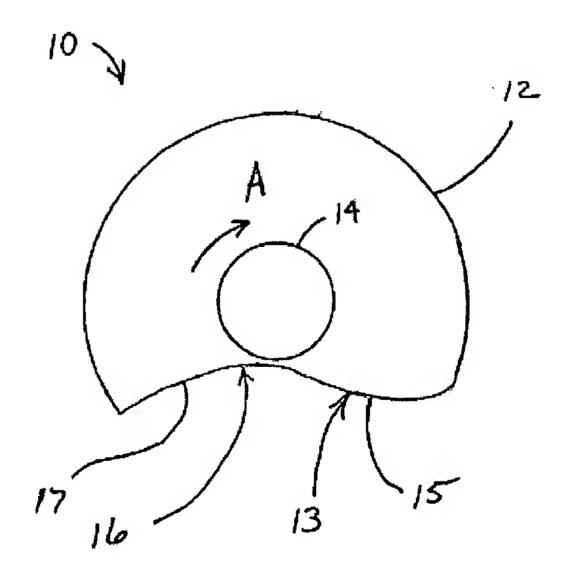


Fig. 2

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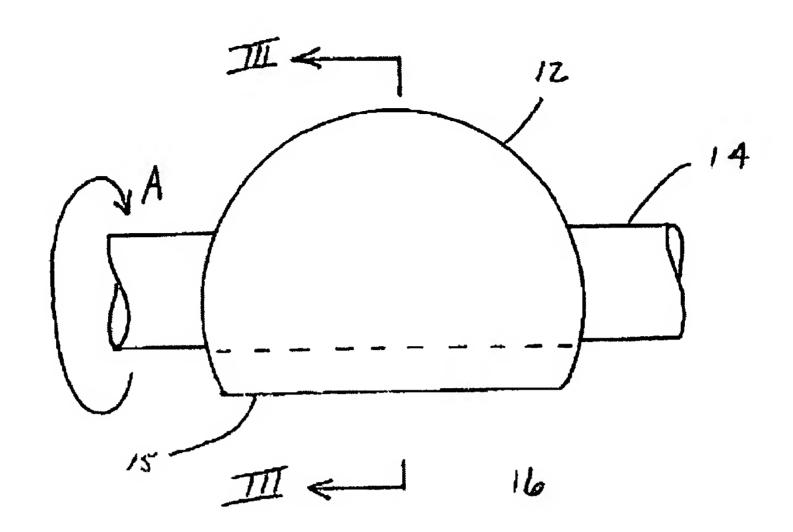


Fig. 3

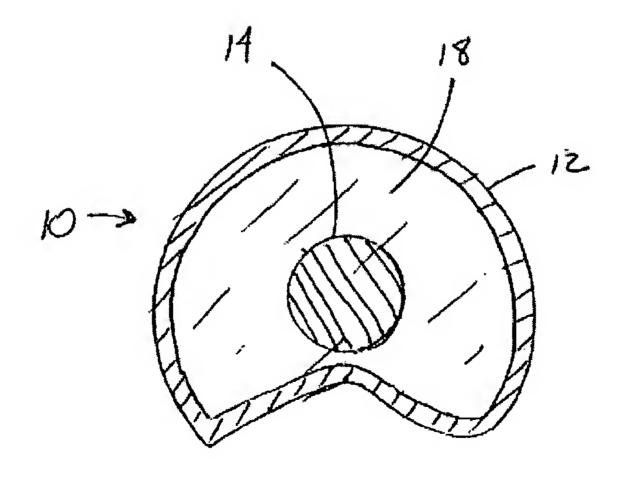
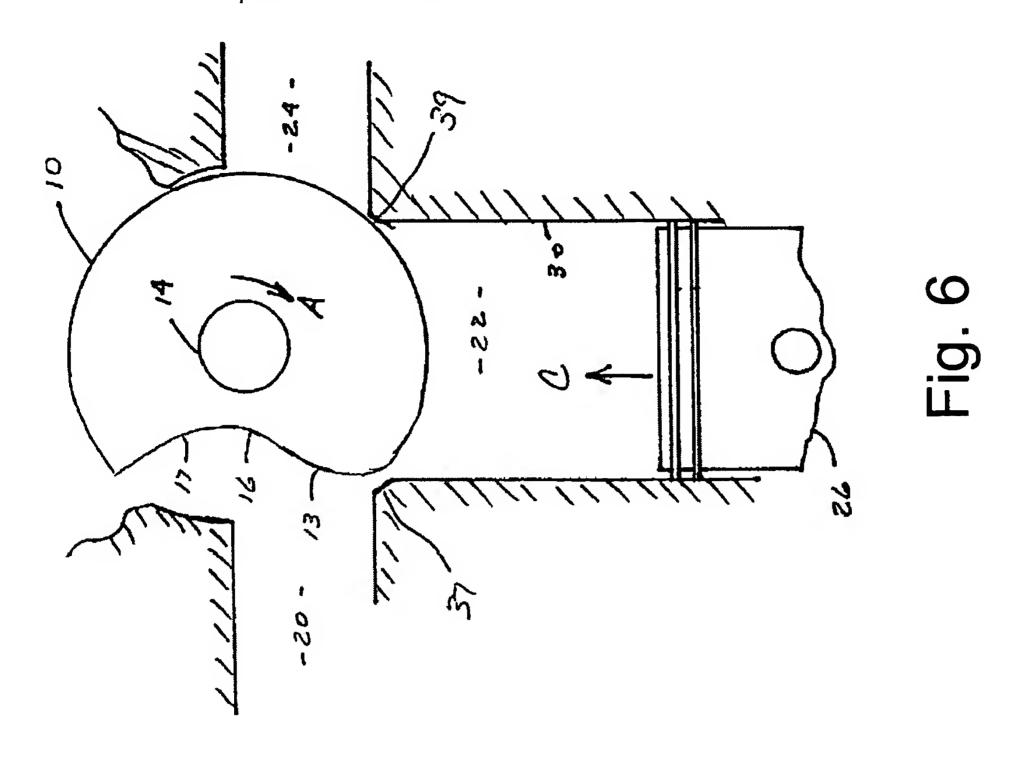


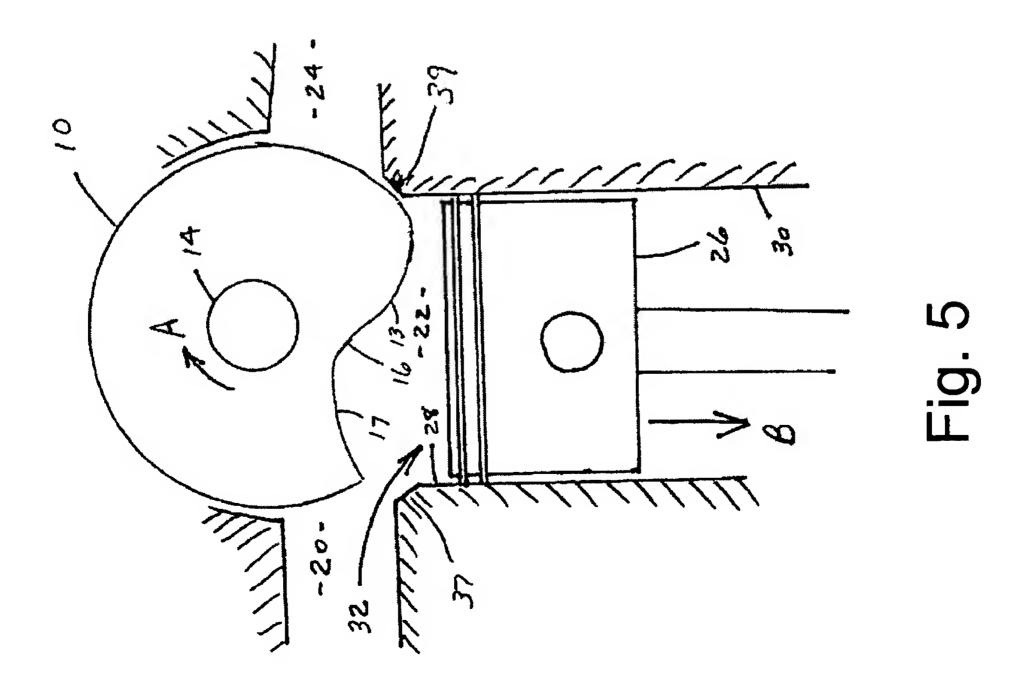
Fig. 4

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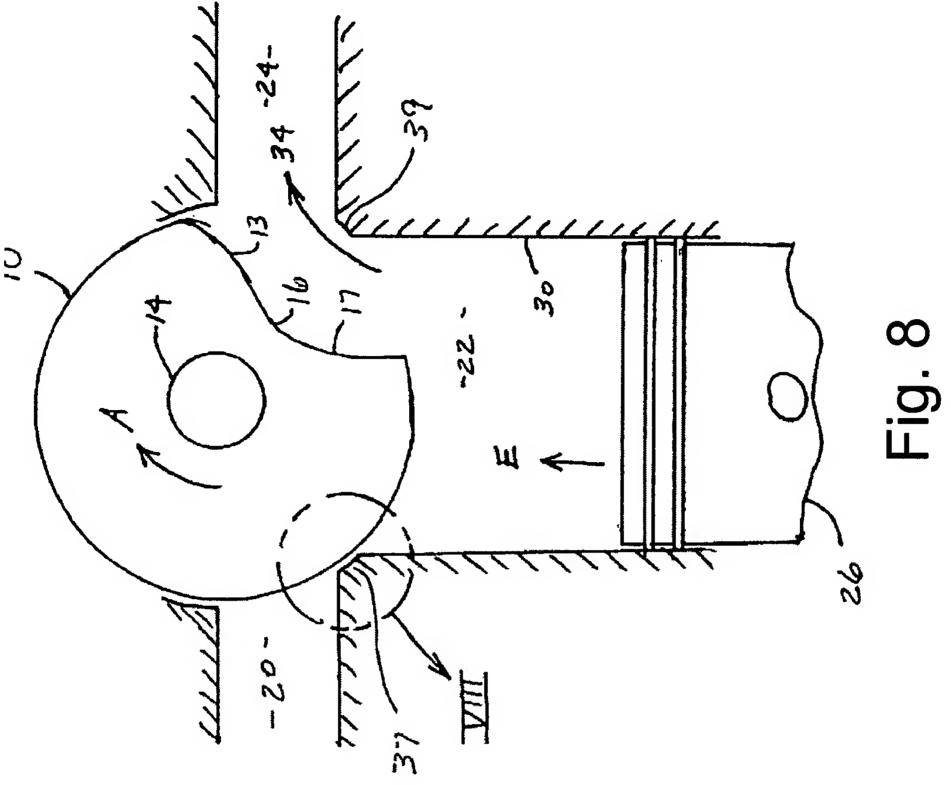
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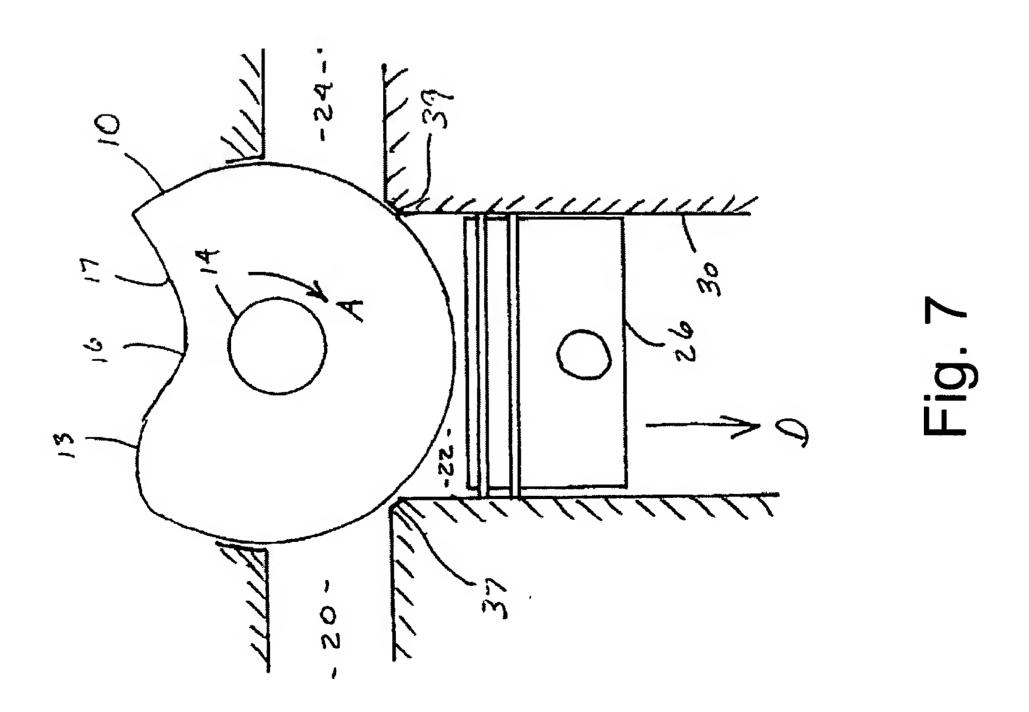
SPHERICAL ROTARY VALVE ENGINE ASSEMBLY Docket: JWLE-01000US0
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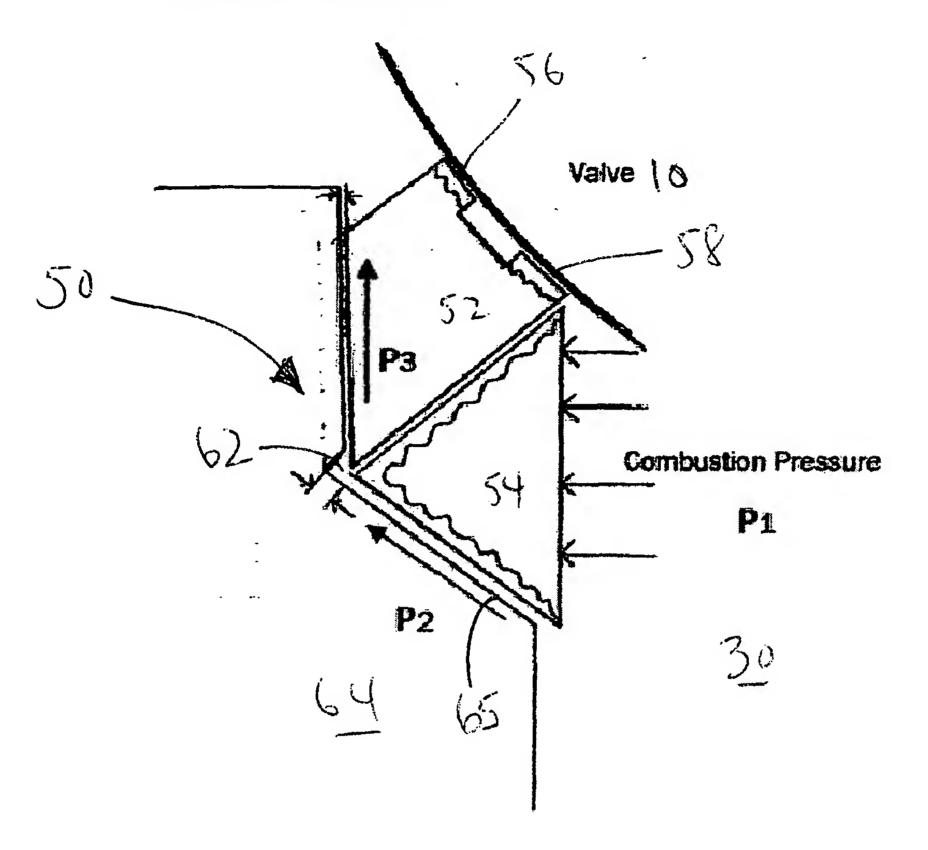


Fig. 9A

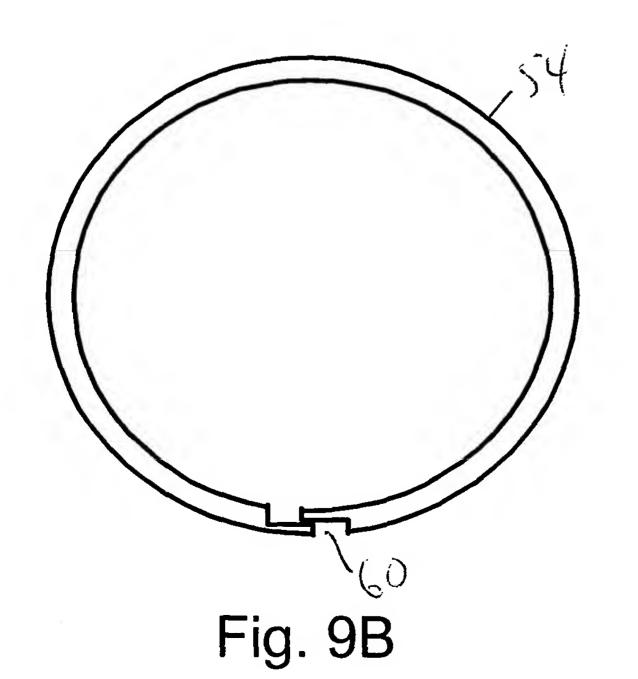


Fig. 9C

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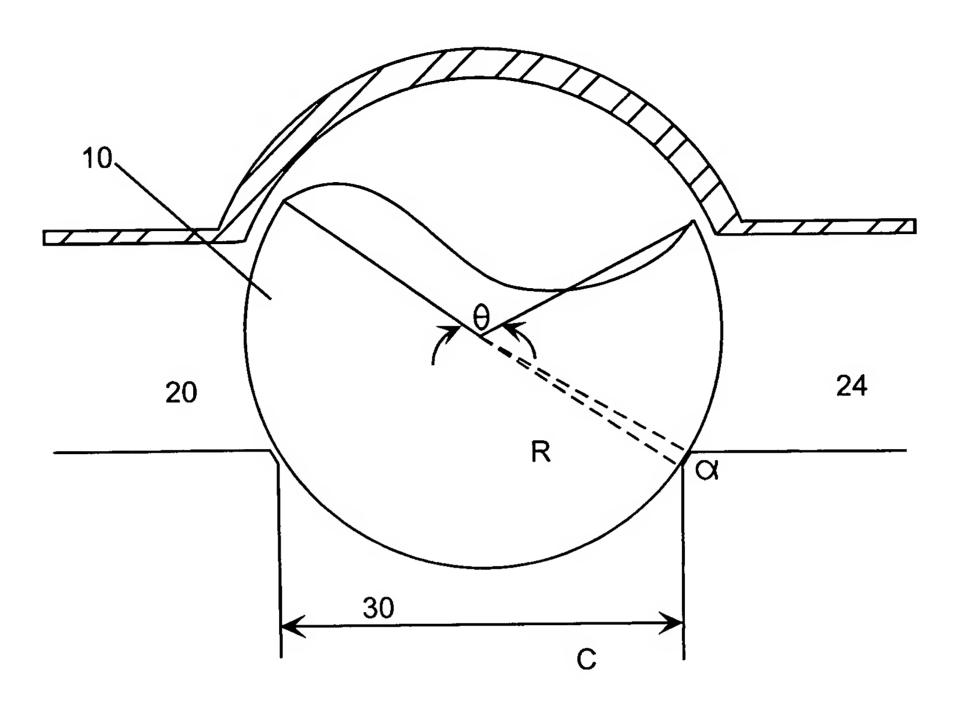


Fig. 10

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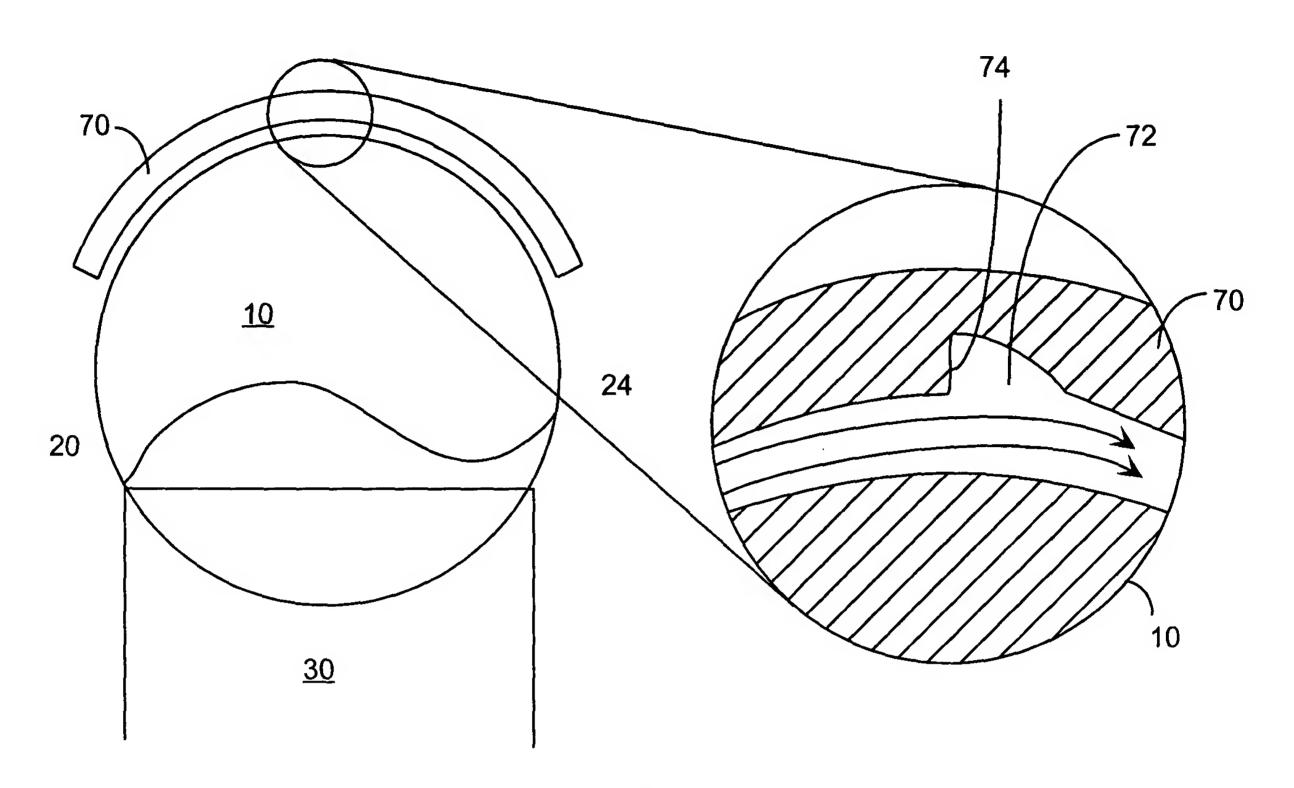
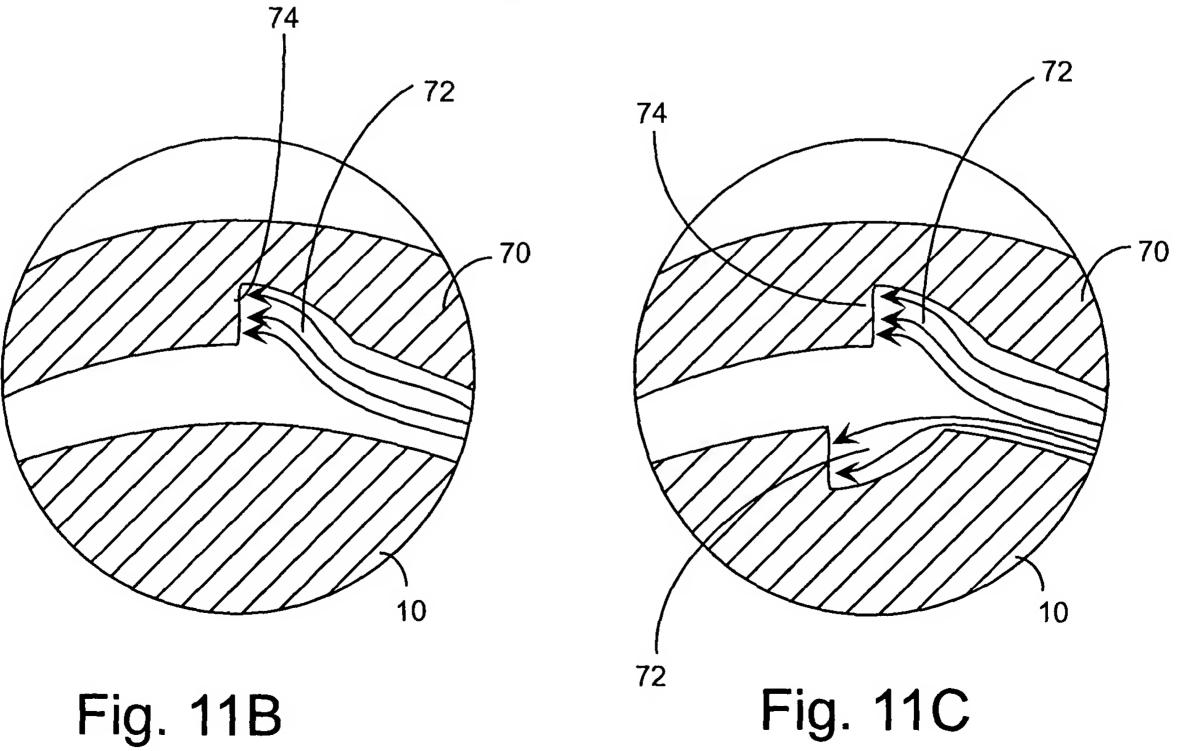


Fig. 11A



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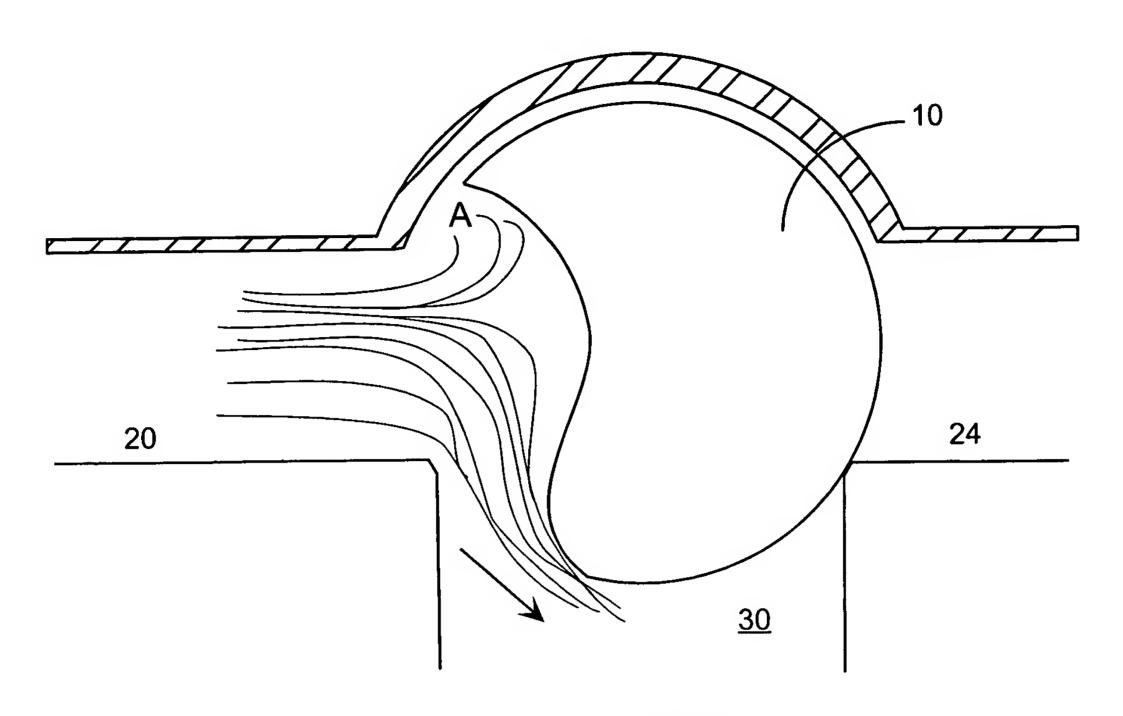


Fig. 12A

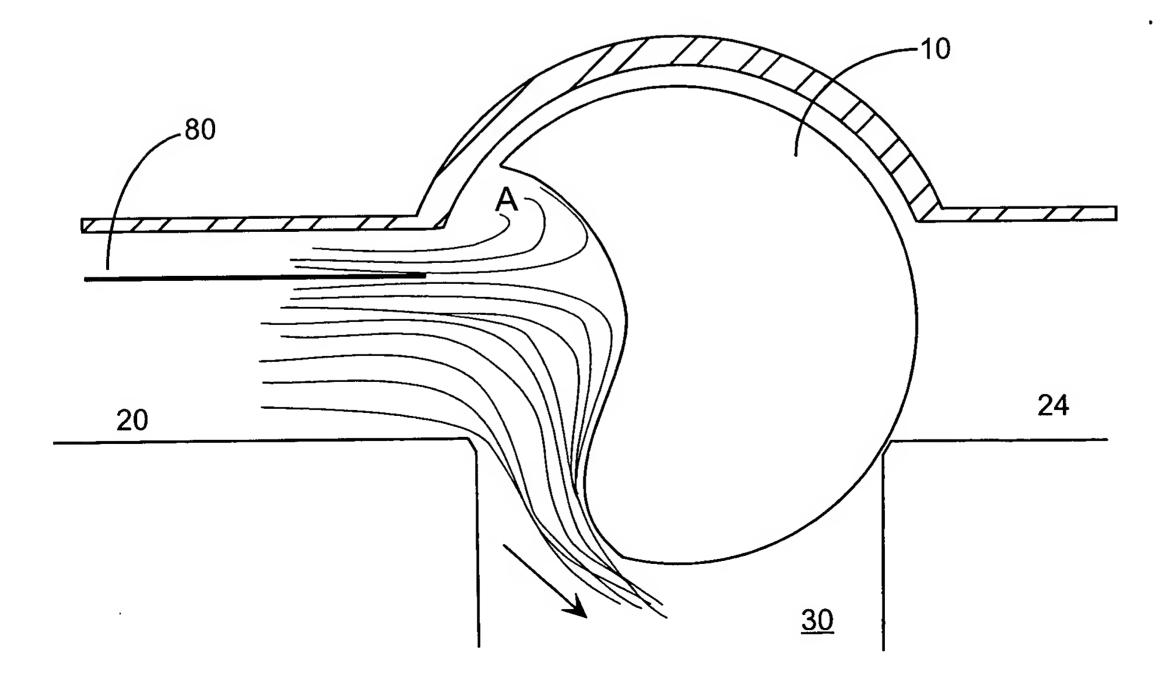


Fig. 12A

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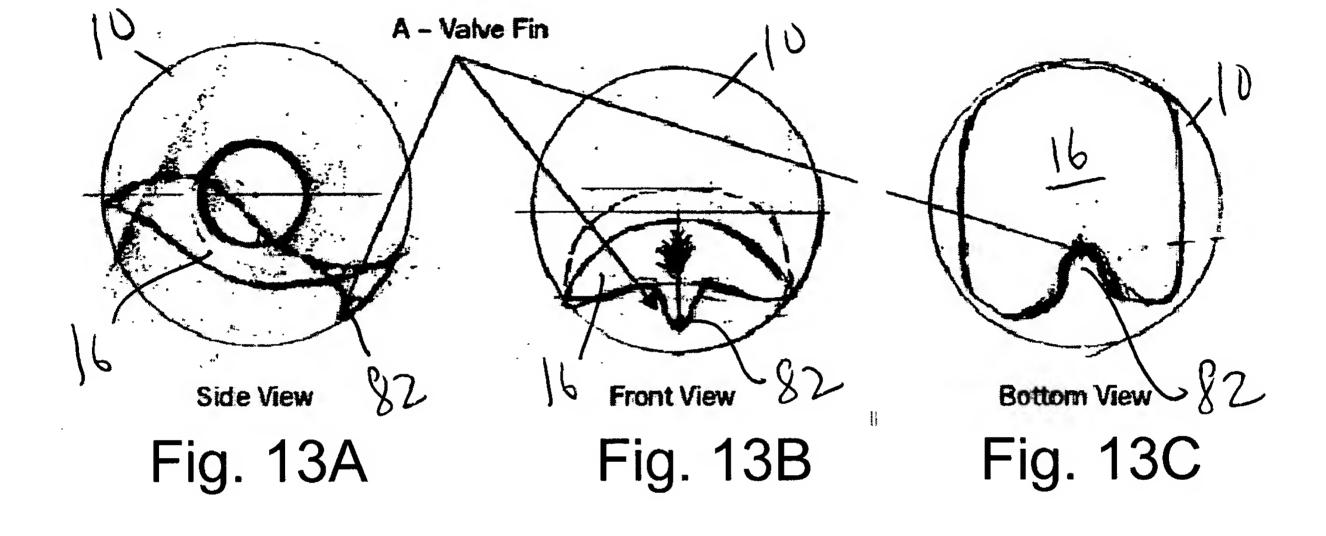
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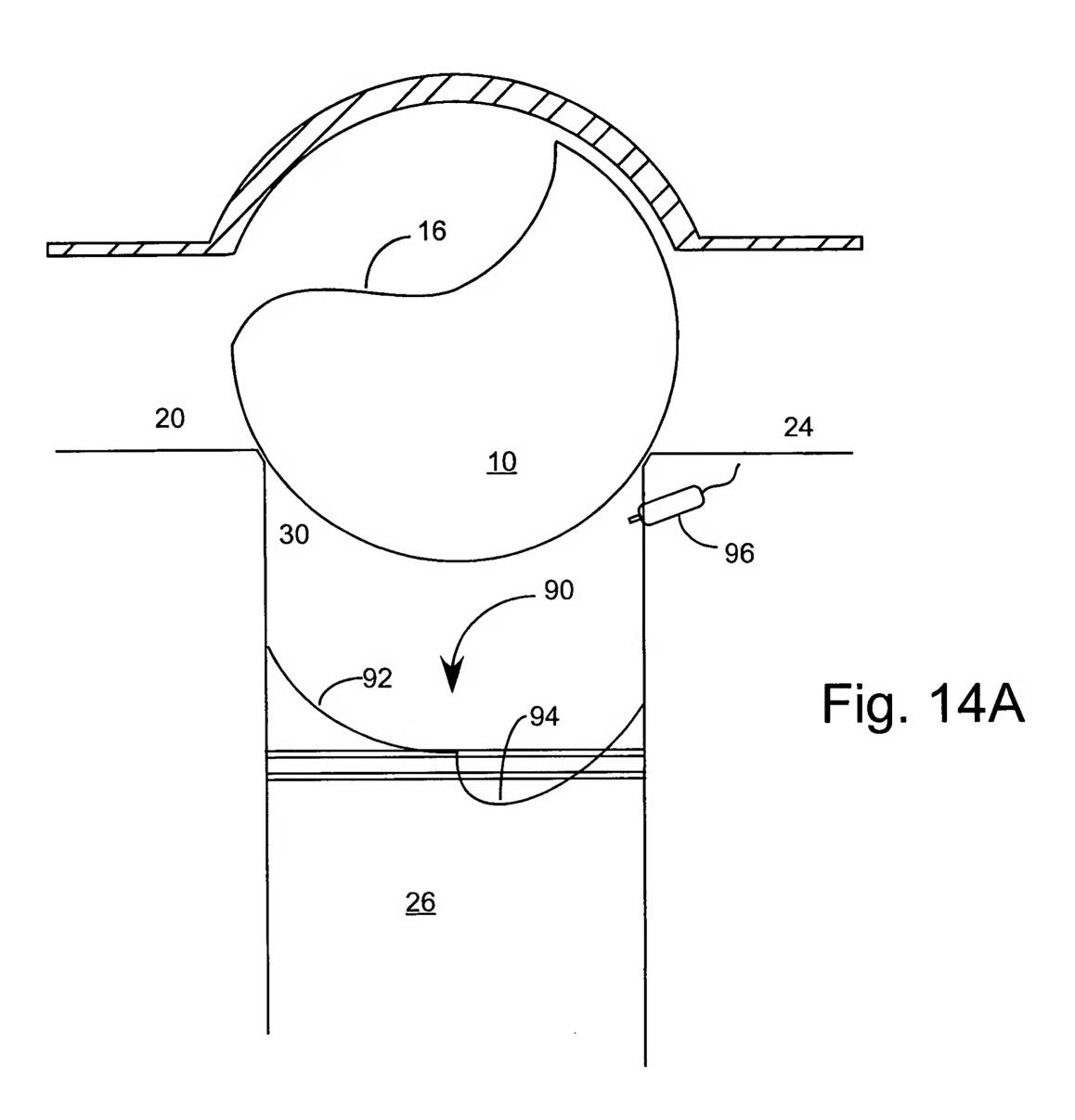
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Jung W. Lee

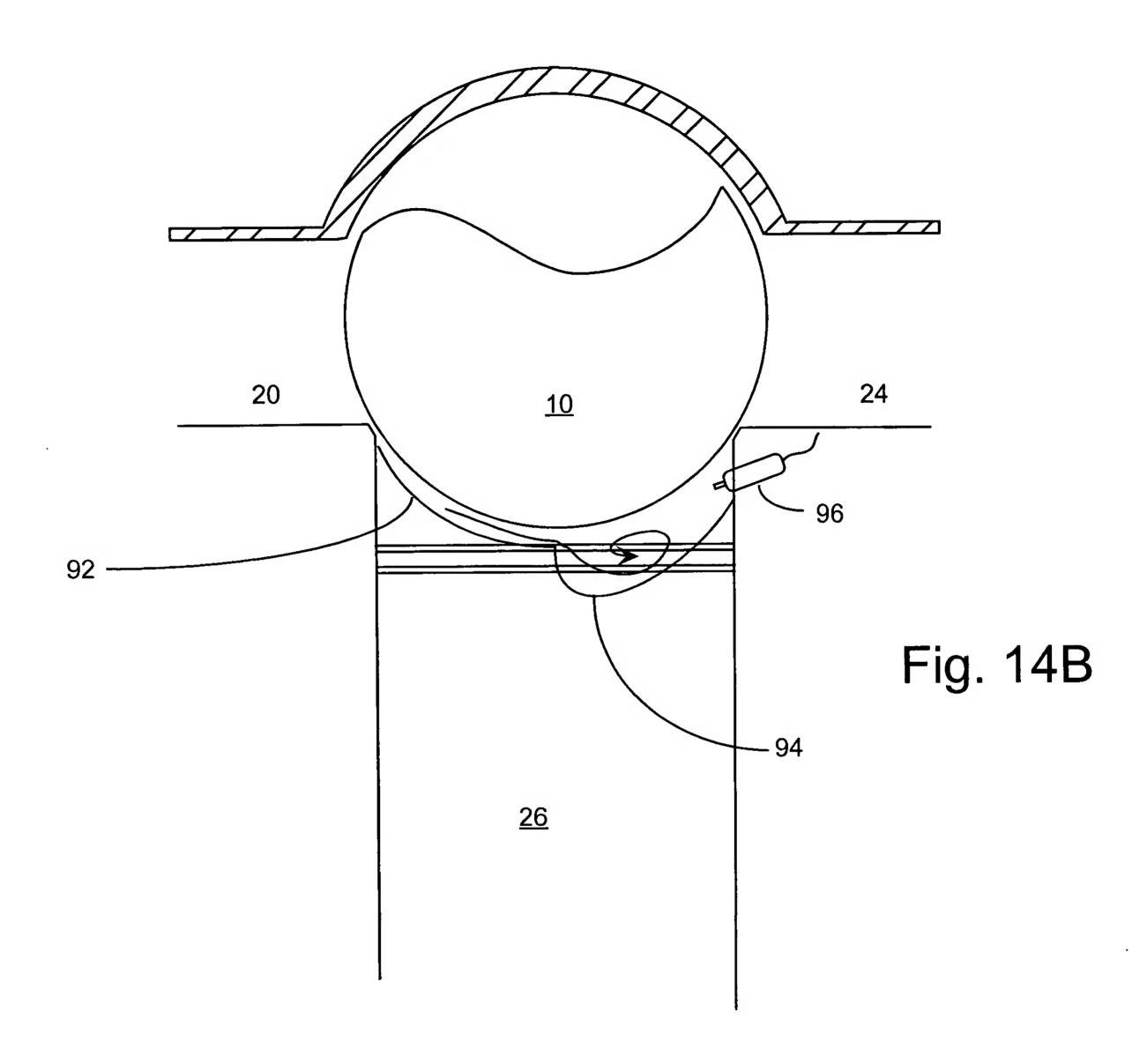
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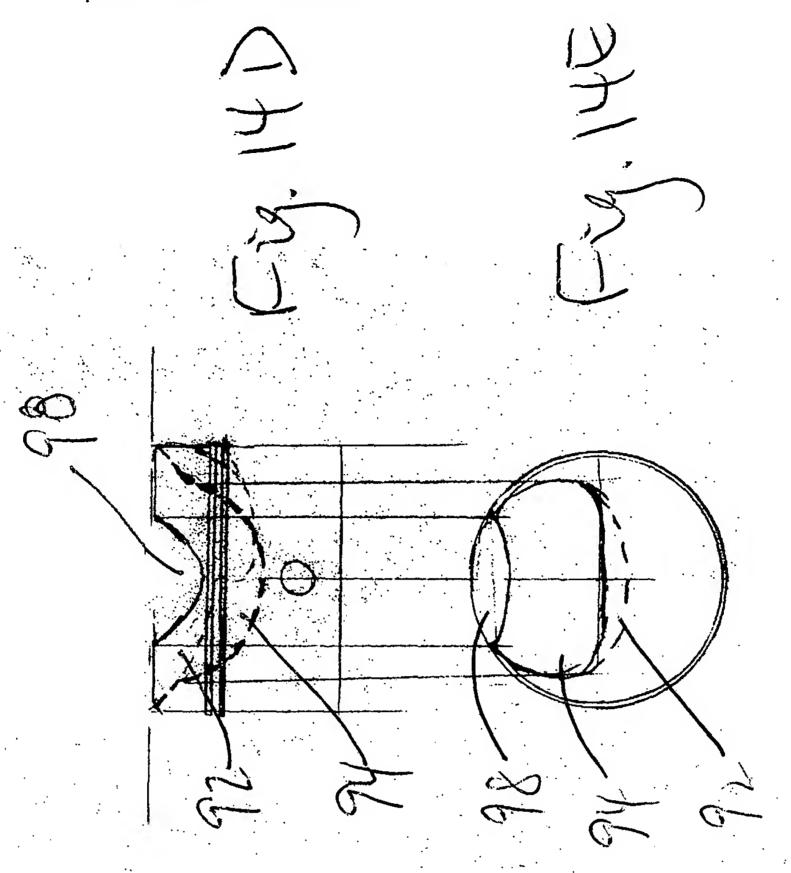
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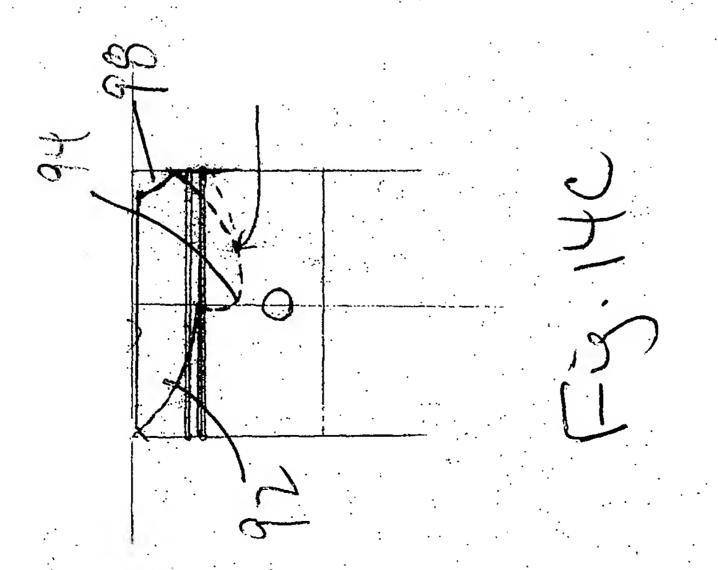
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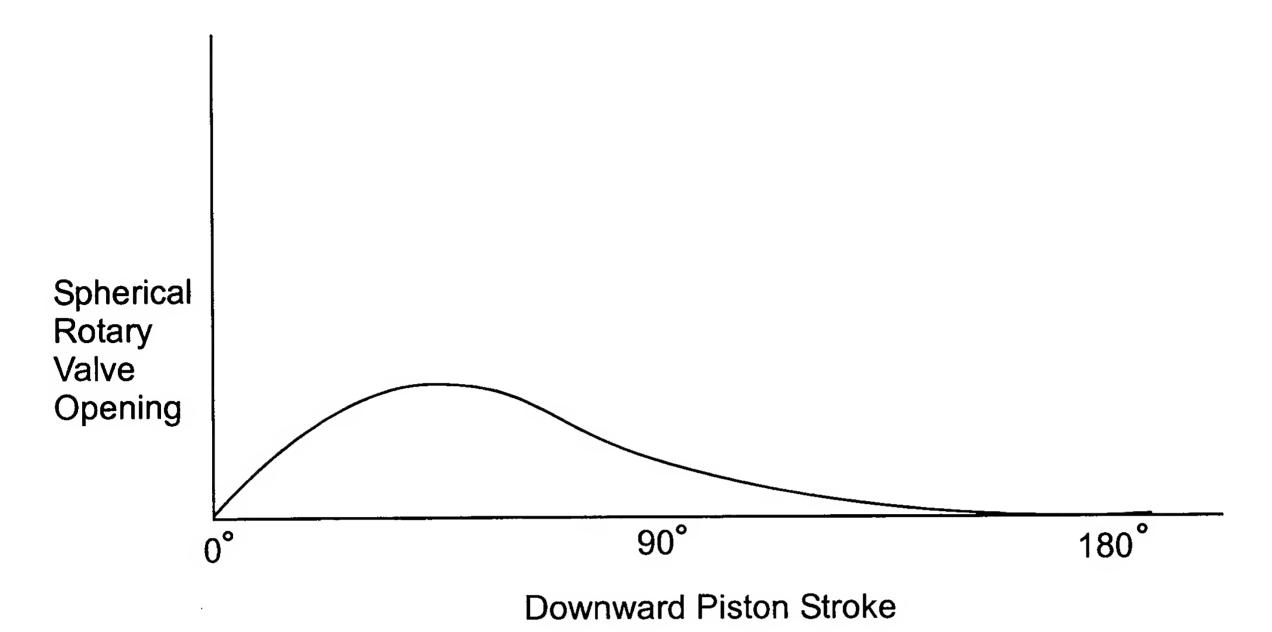


Fig. 15

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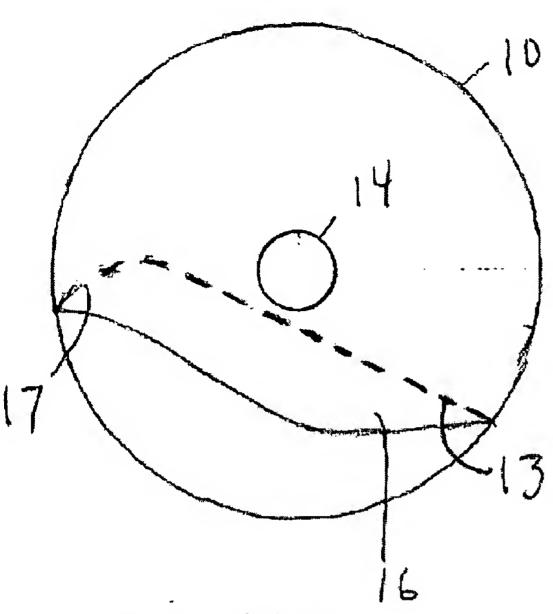


Fig. 16A

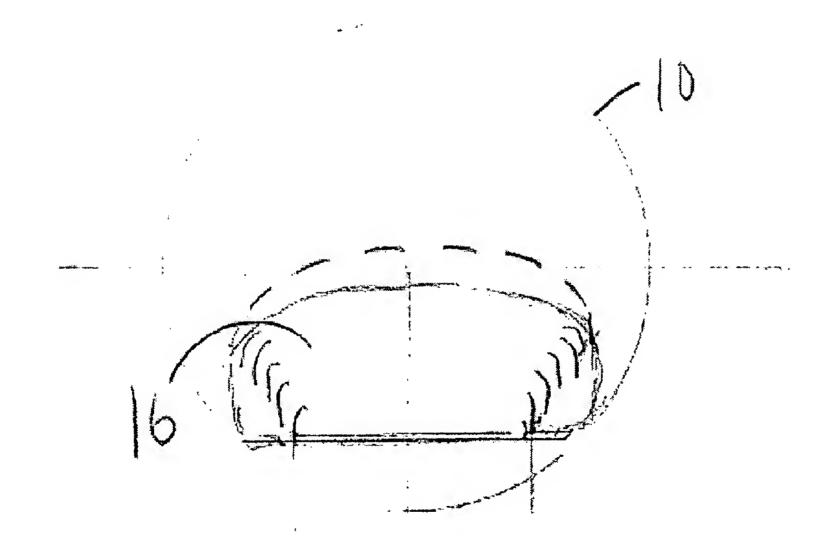


Fig. 16B

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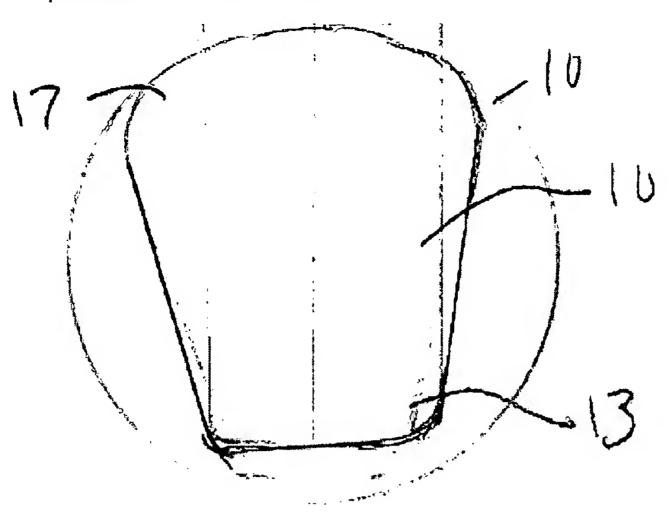
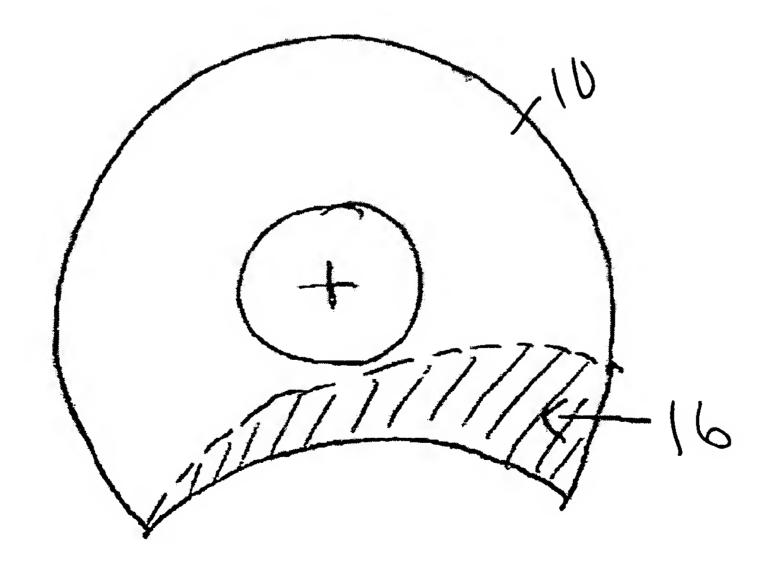


Fig. 16C

Fig. 17A



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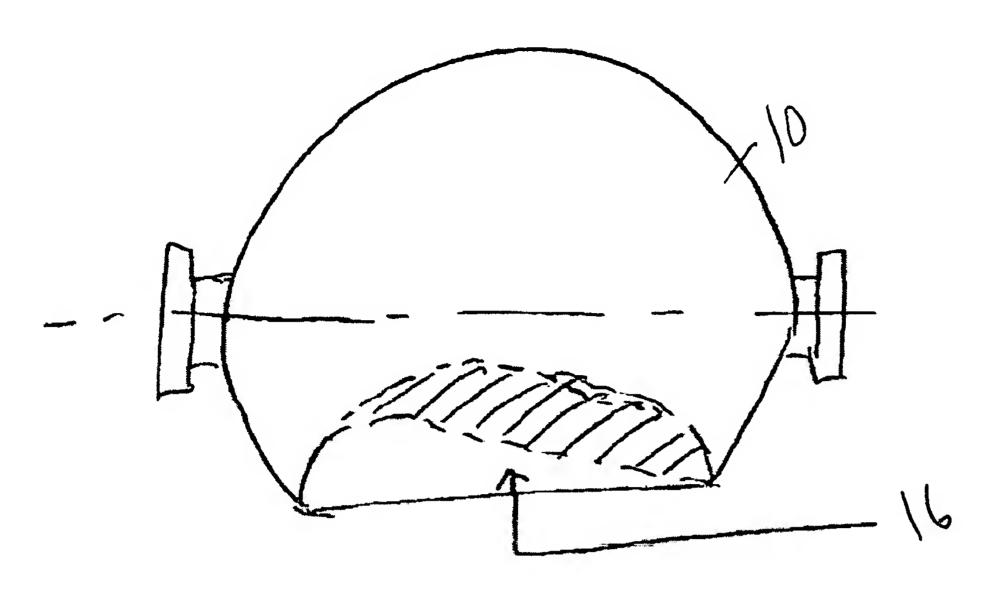
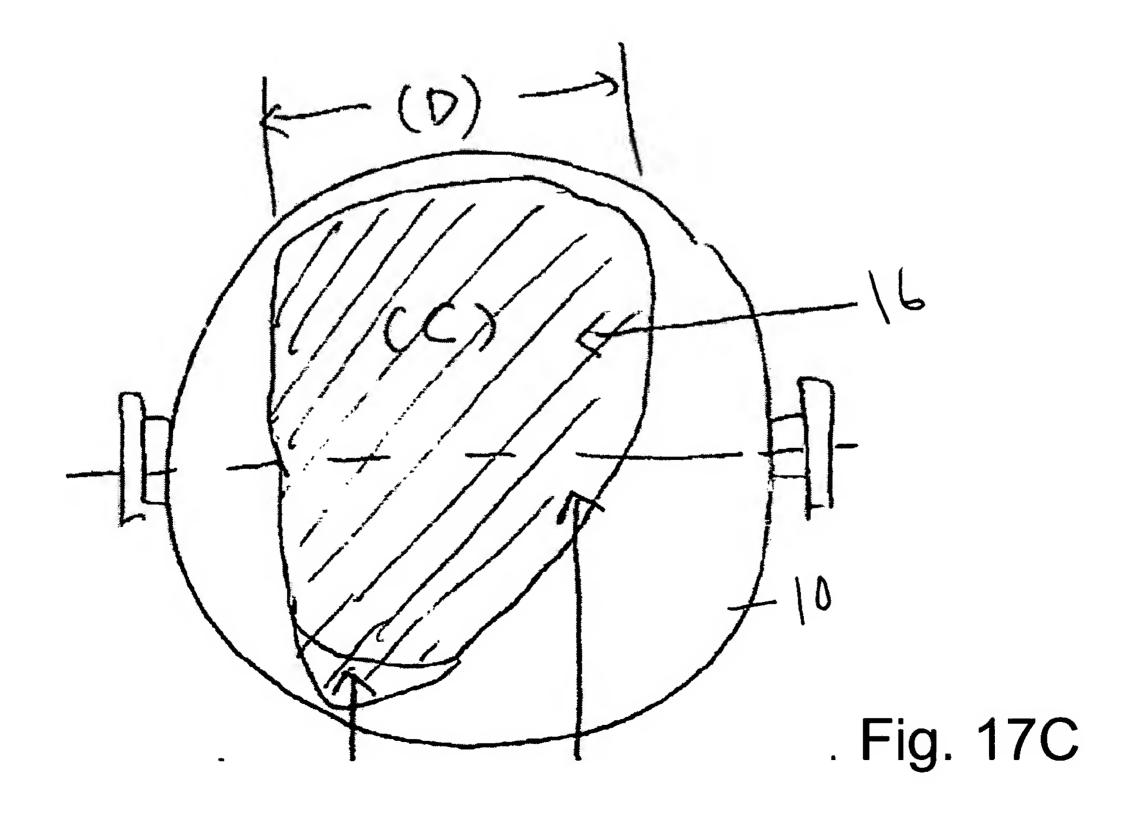


Fig. 17B



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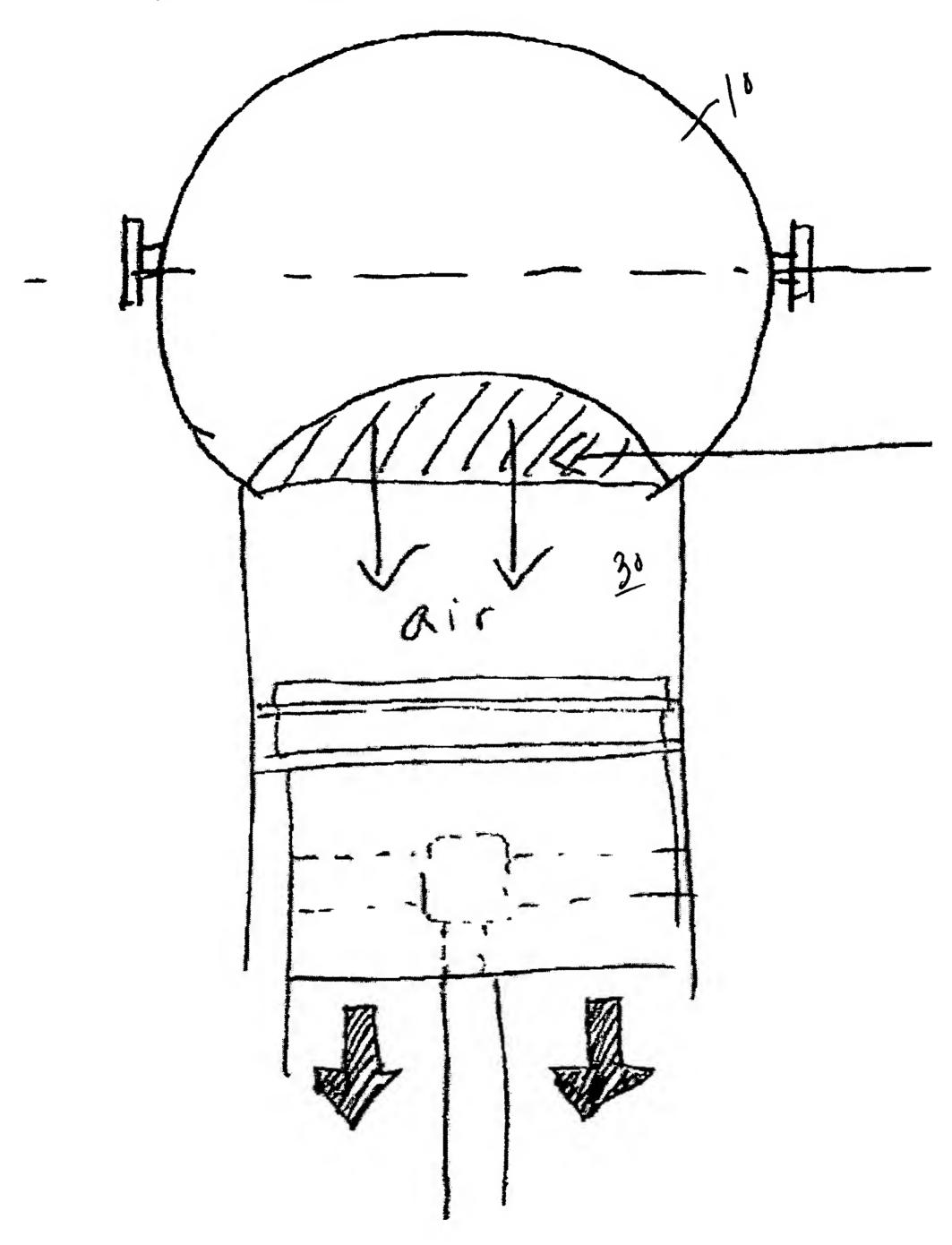


Fig. 17D

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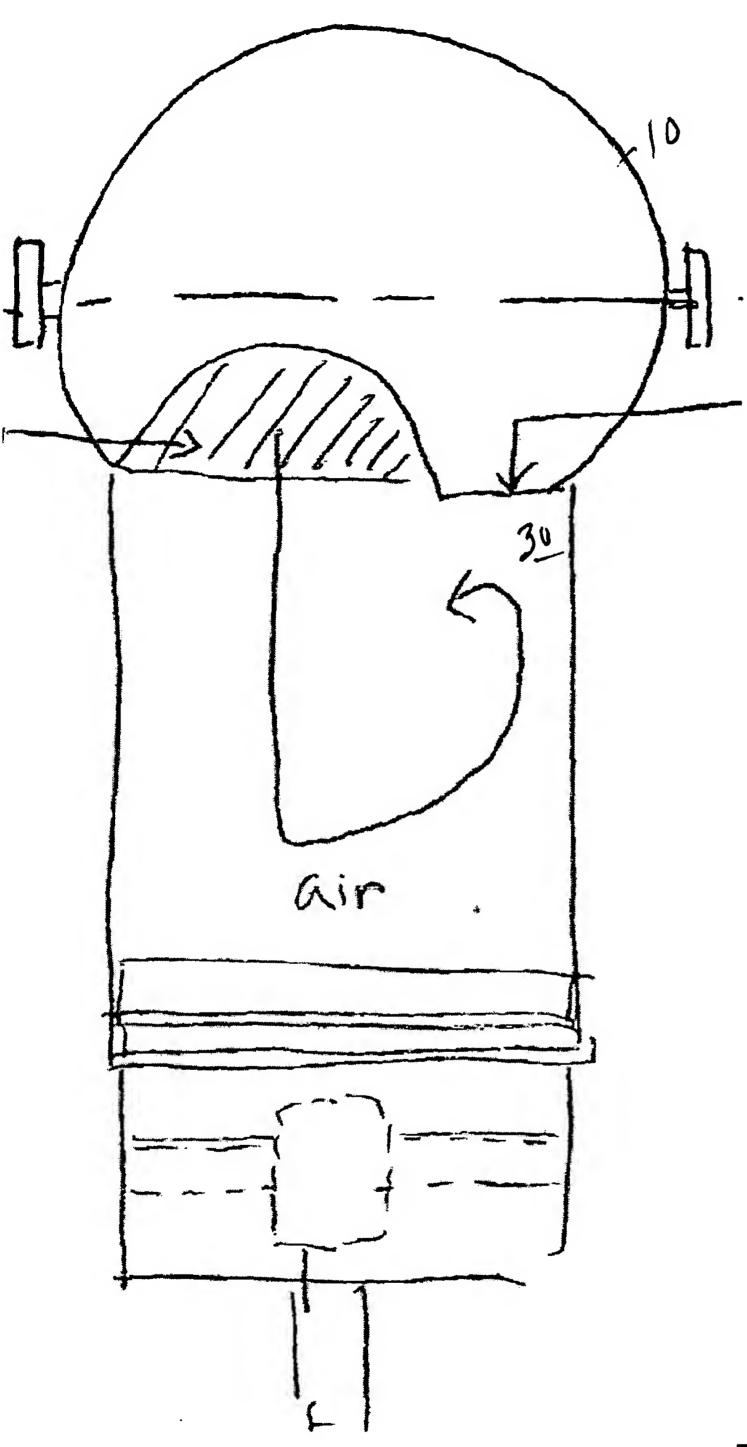


Fig. 17E

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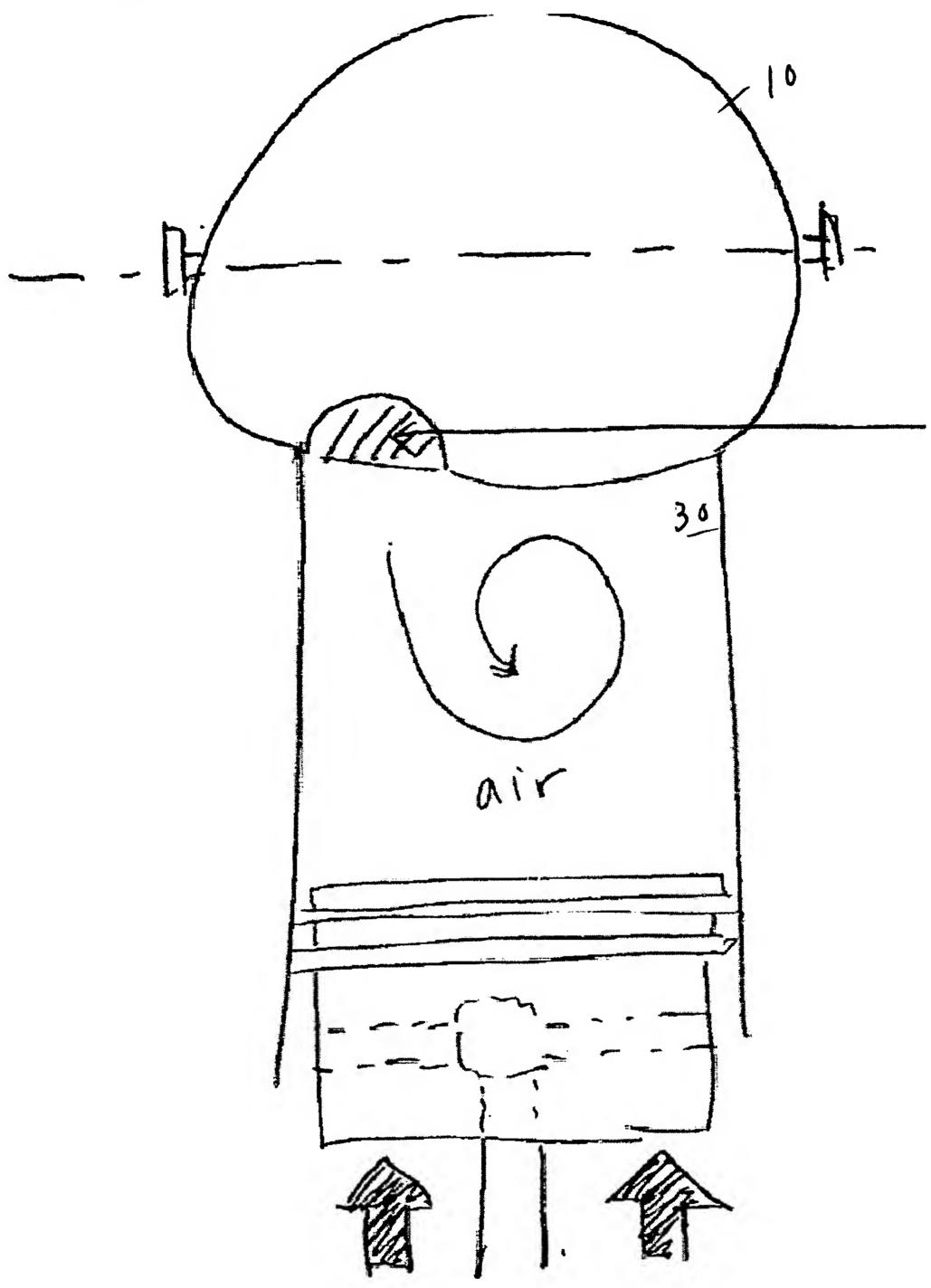


Fig. 17F

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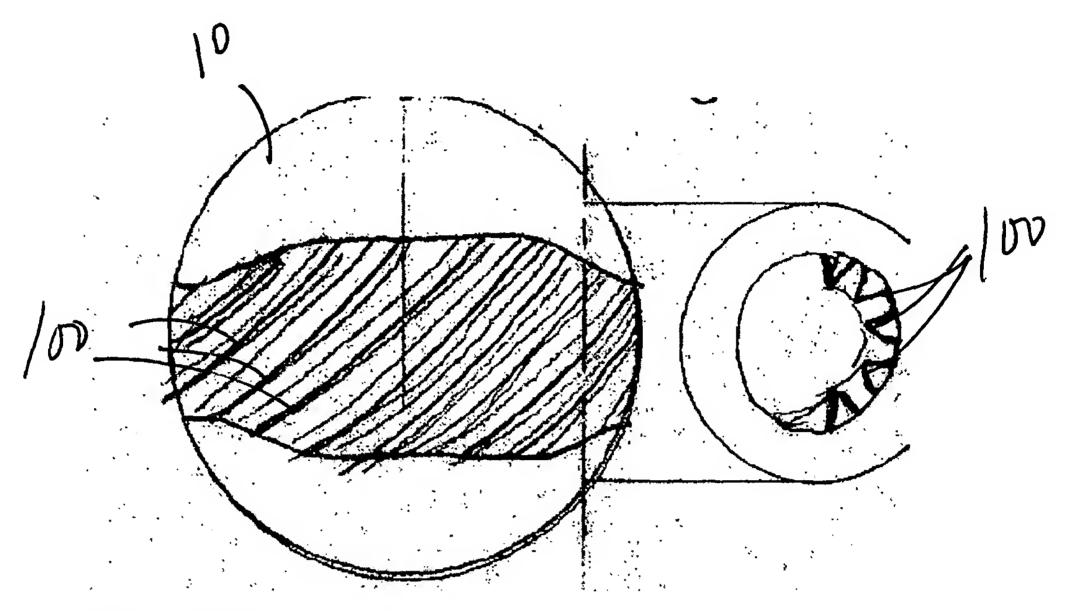


Fig. 18